

Appl. No. 10/628,737

Response dated April 1, 2005

Reply to Office Action dated January 3, 2005

## ABSTRACT OF THE DISCLOSURE

The invention provides a low power, high performance flip-flop ~~is disclosed~~. The ~~novel~~ flip-flop uses only one clocked transistor, ~~whereas most traditional designs use three clocked transistors~~. The single clocked transistor is shared by the first and second branches of the device. A pulse generator produces a clock pulse to trigger the flip-flop. In one preferred embodiment the device can be made as a static explicit pulsed flip-flop which employs only two clocked transistors.